

2/18

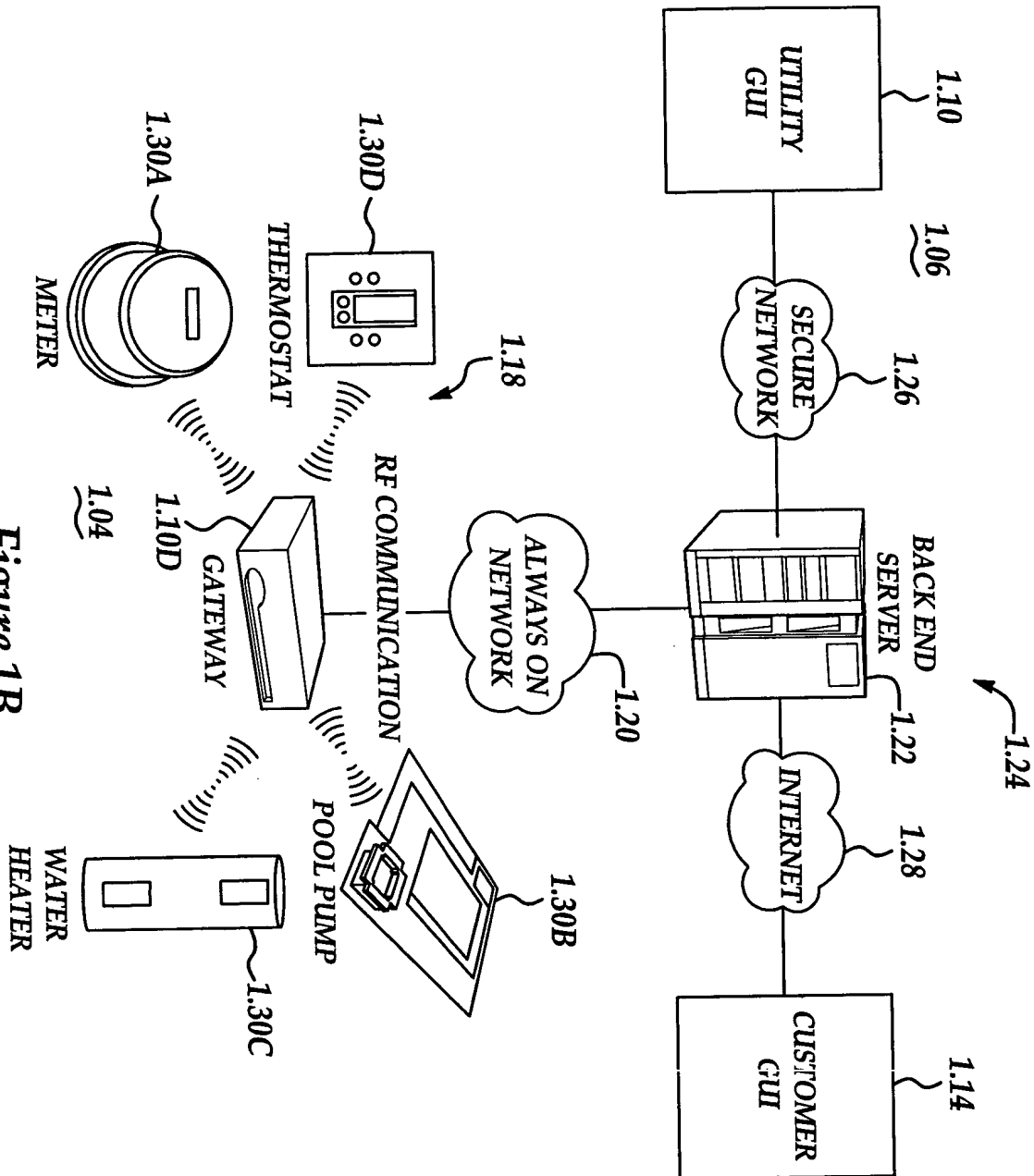


Figure 1B

3/18

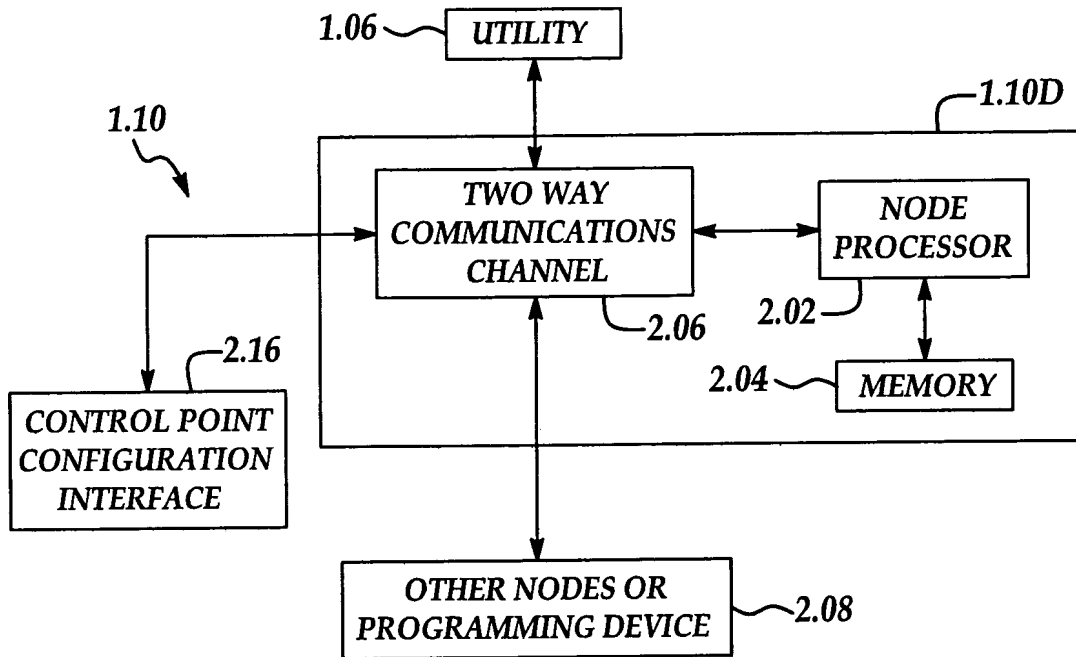


Figure 2A

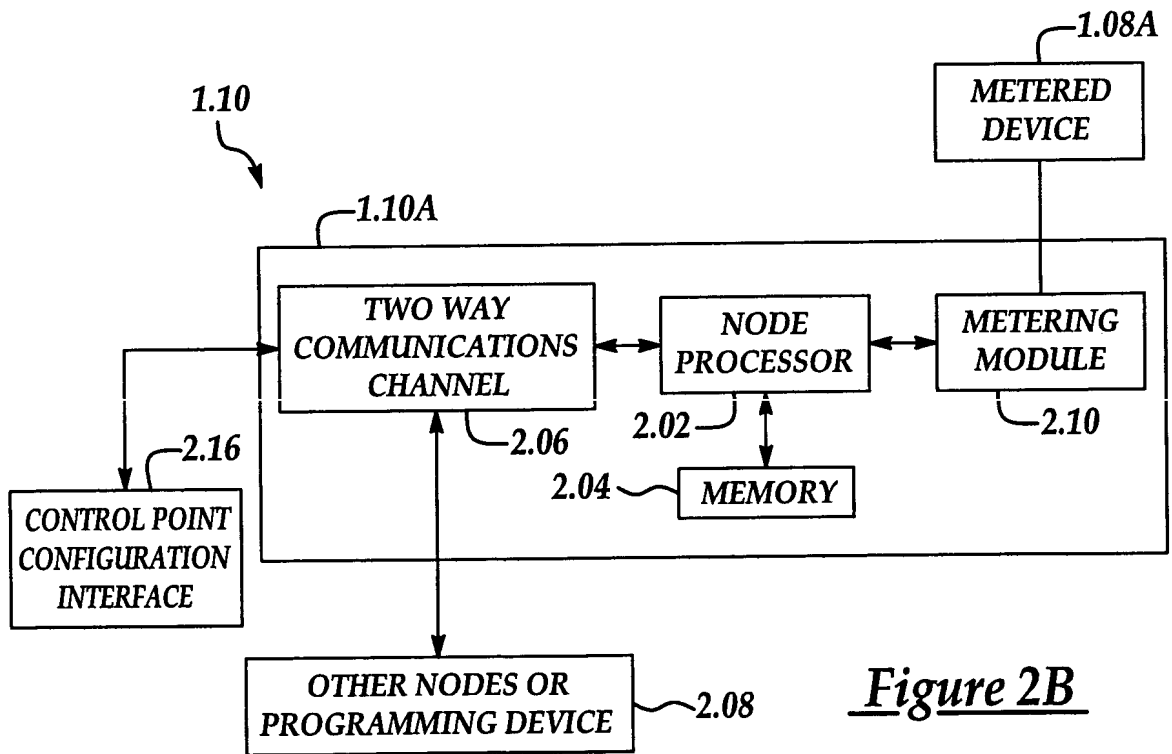


Figure 2B

4/18

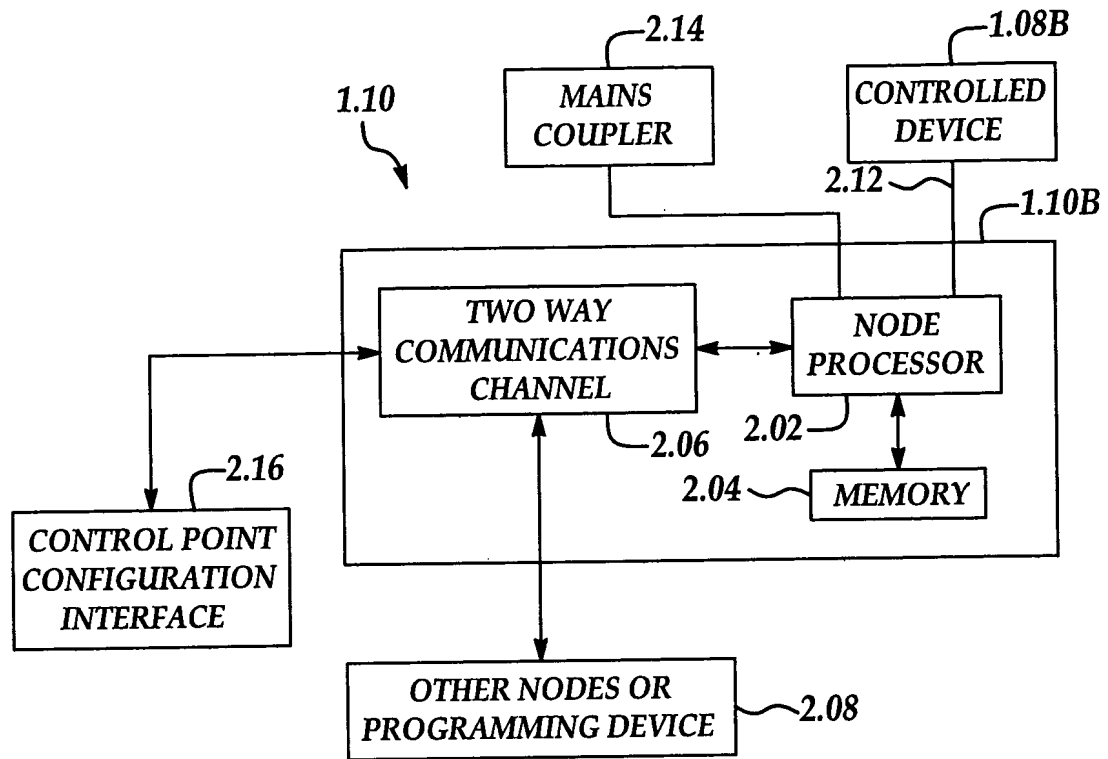


Figure 2C

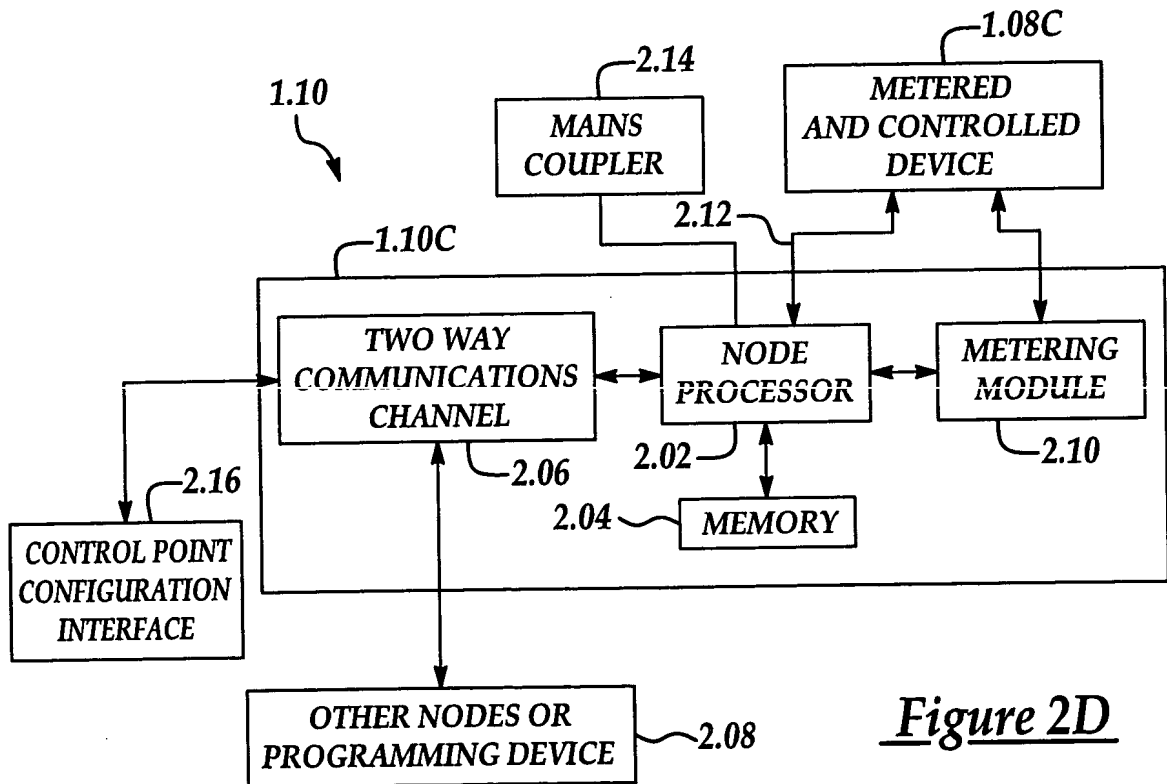


Figure 2D

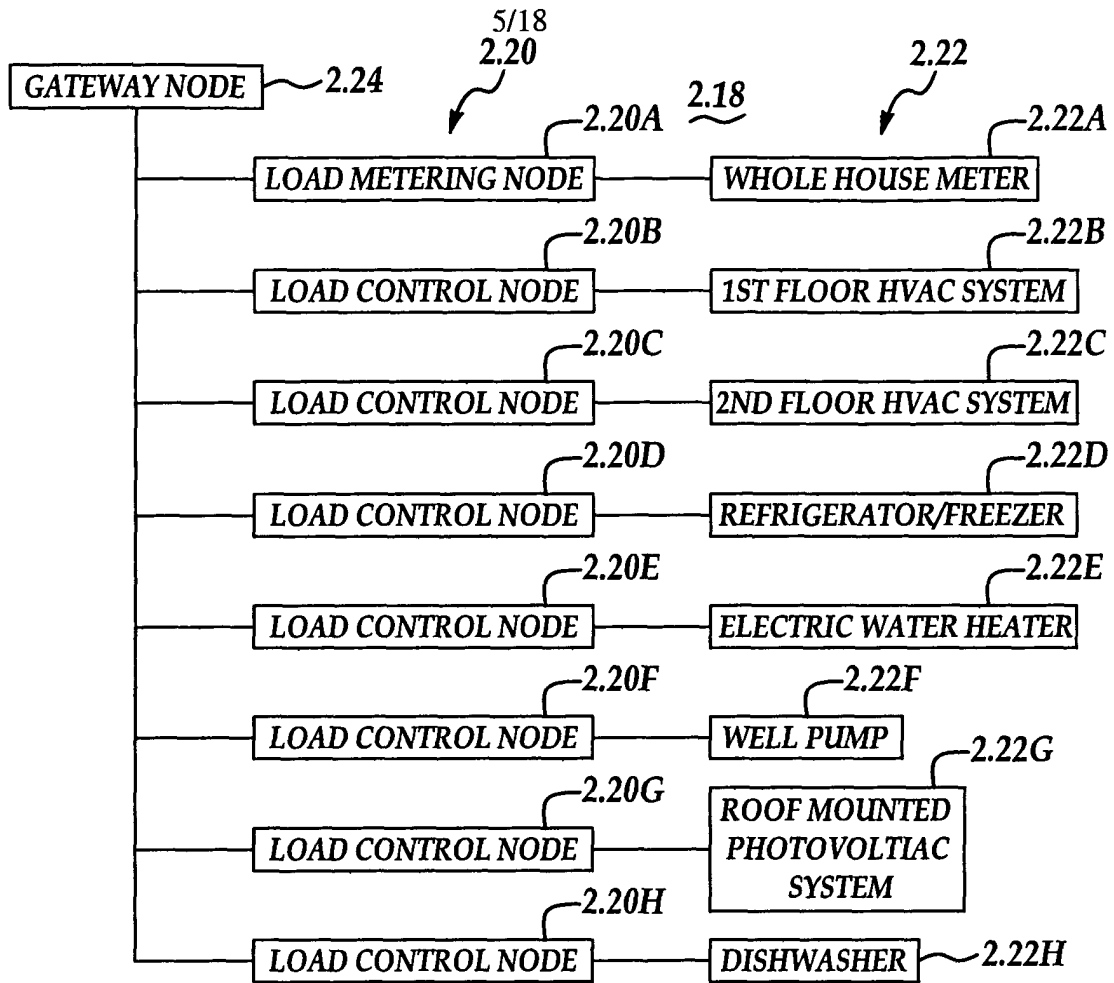


Figure 2E

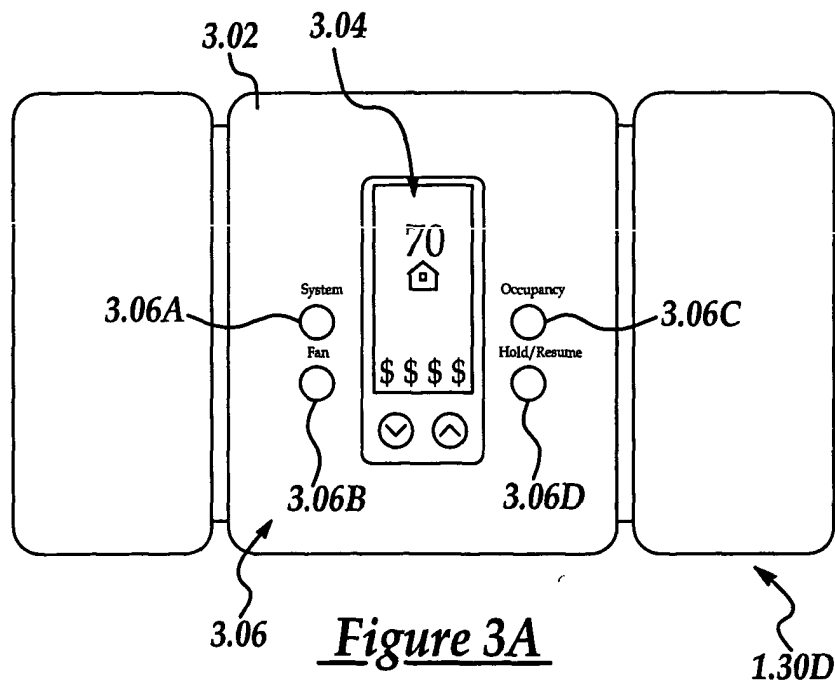


Figure 3A

6/18

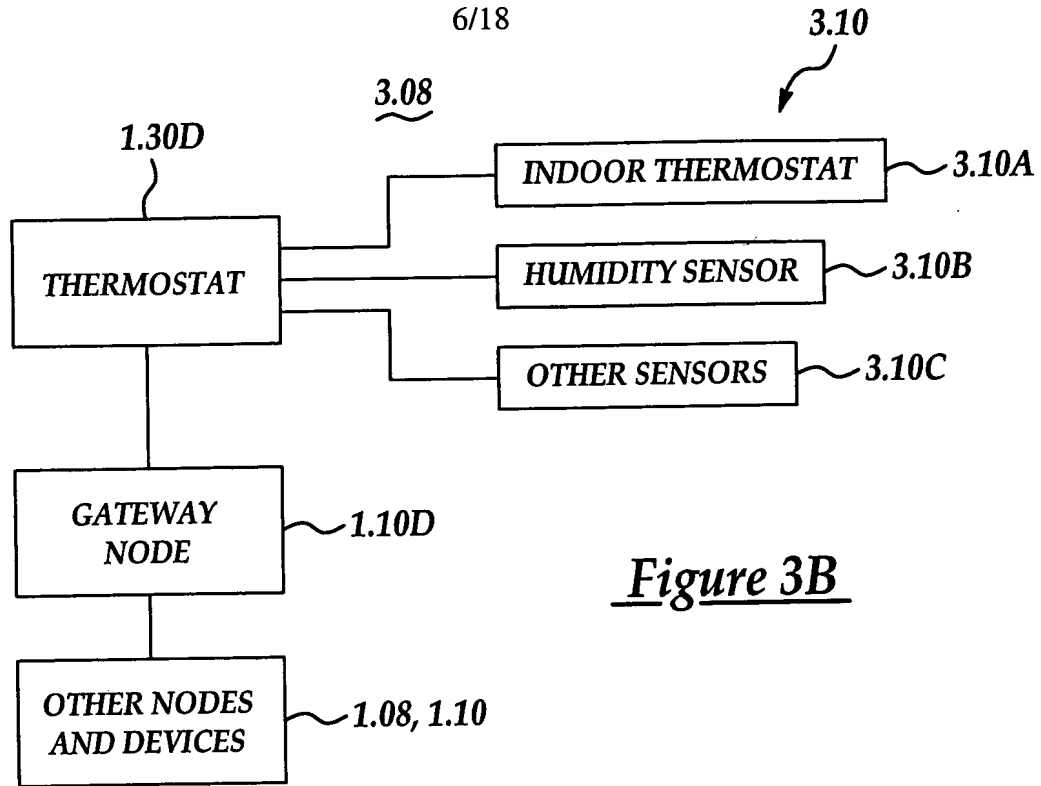


Figure 3B

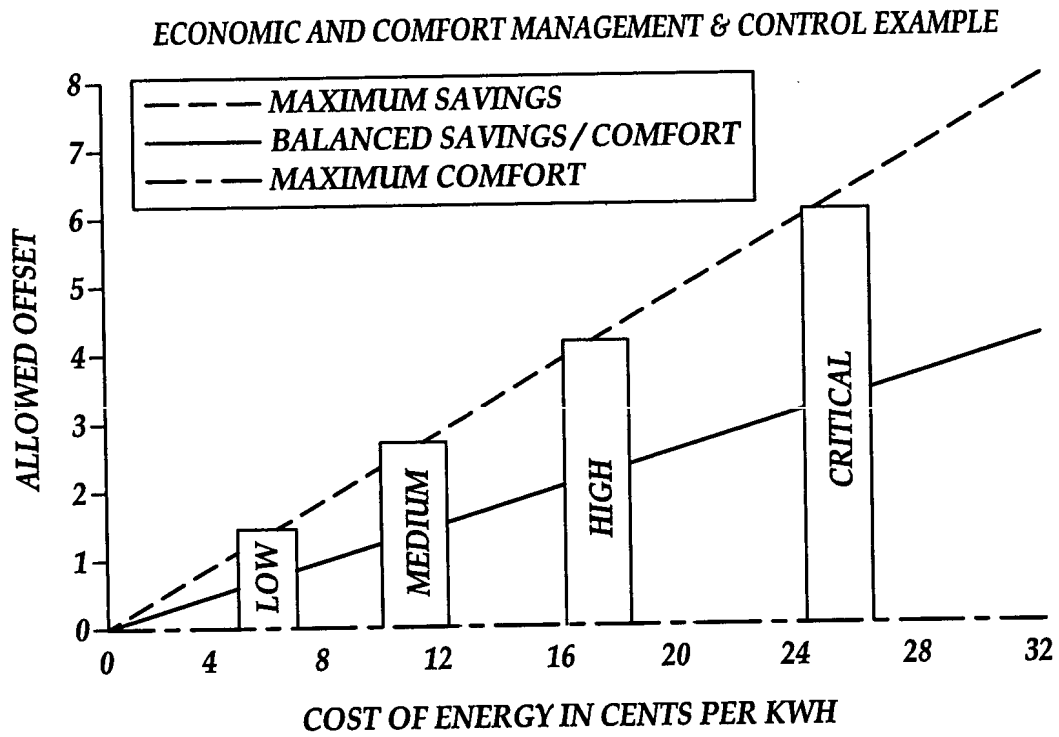


Figure 3C

7/18

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

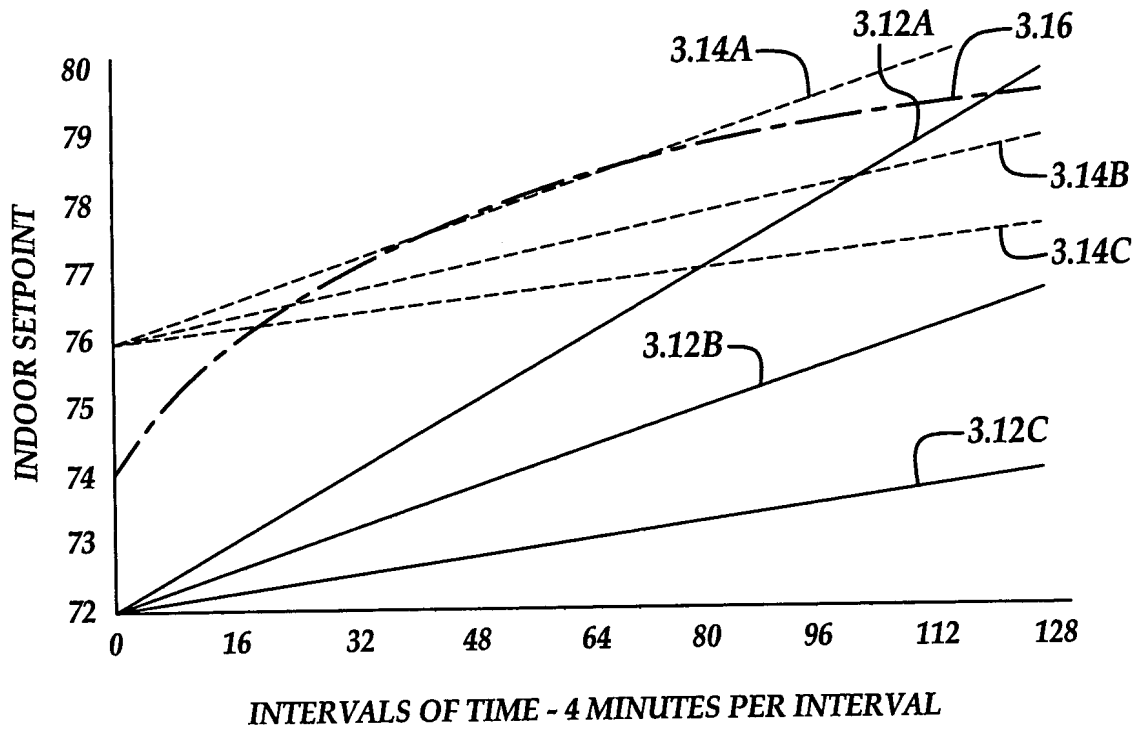


Figure 3D

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

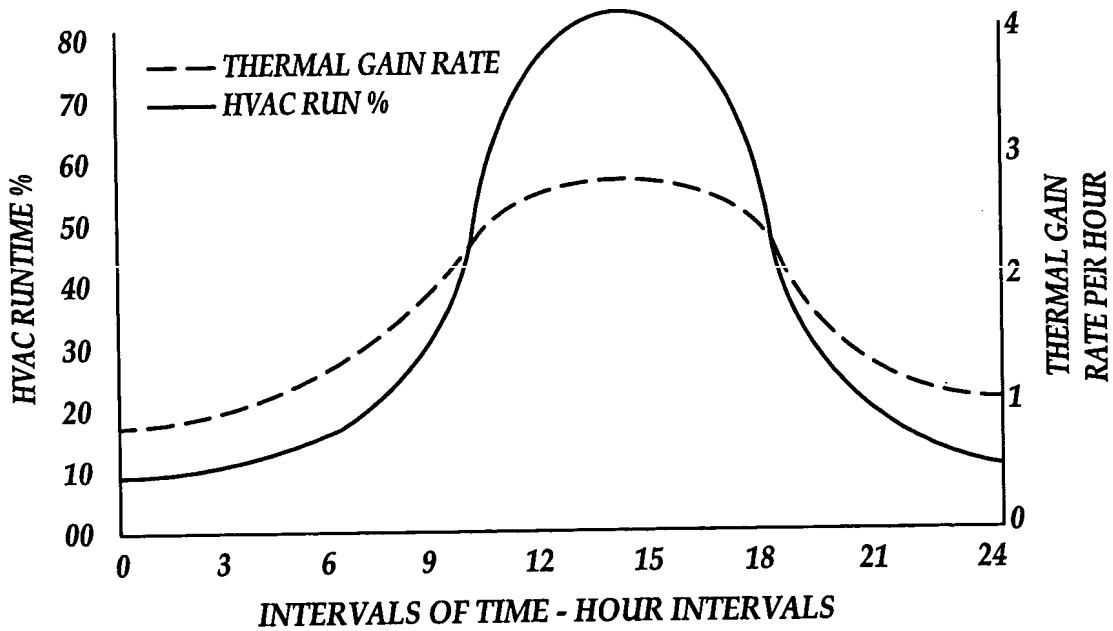


Figure 3E

8/18

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

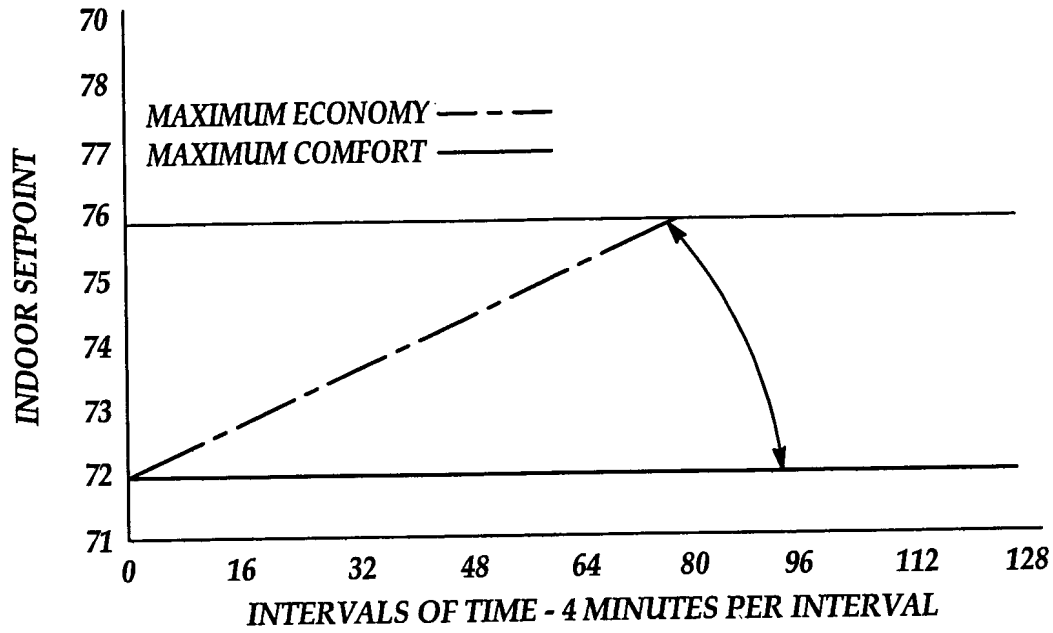


Figure 3F

ECONOMIC AND COMFORT MANAGEMENT & CONTROL EXAMPLE

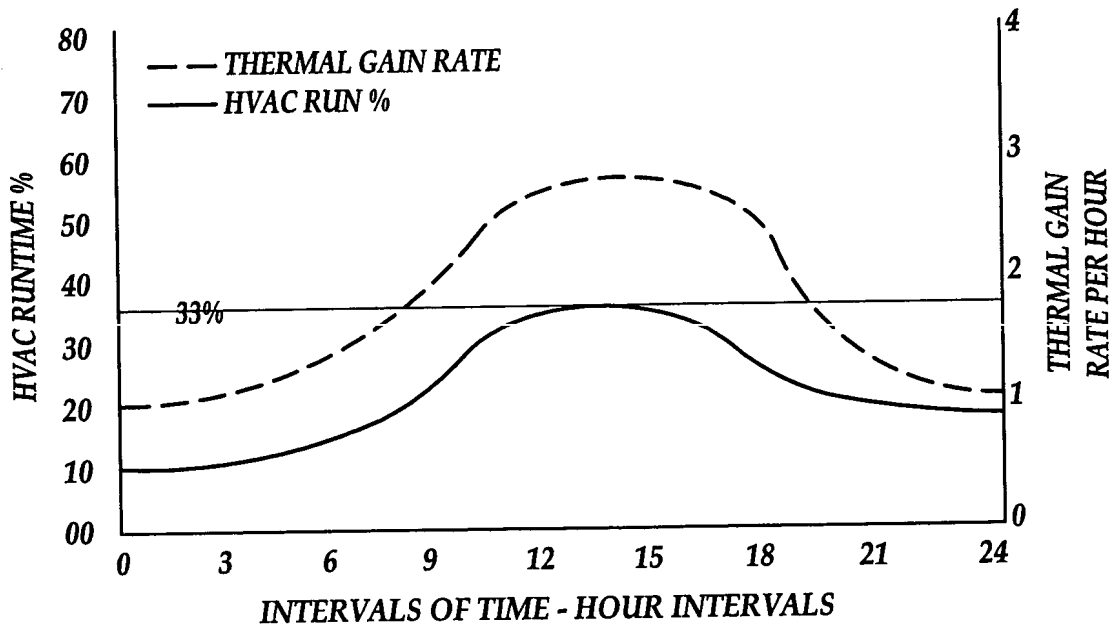


Figure 3G

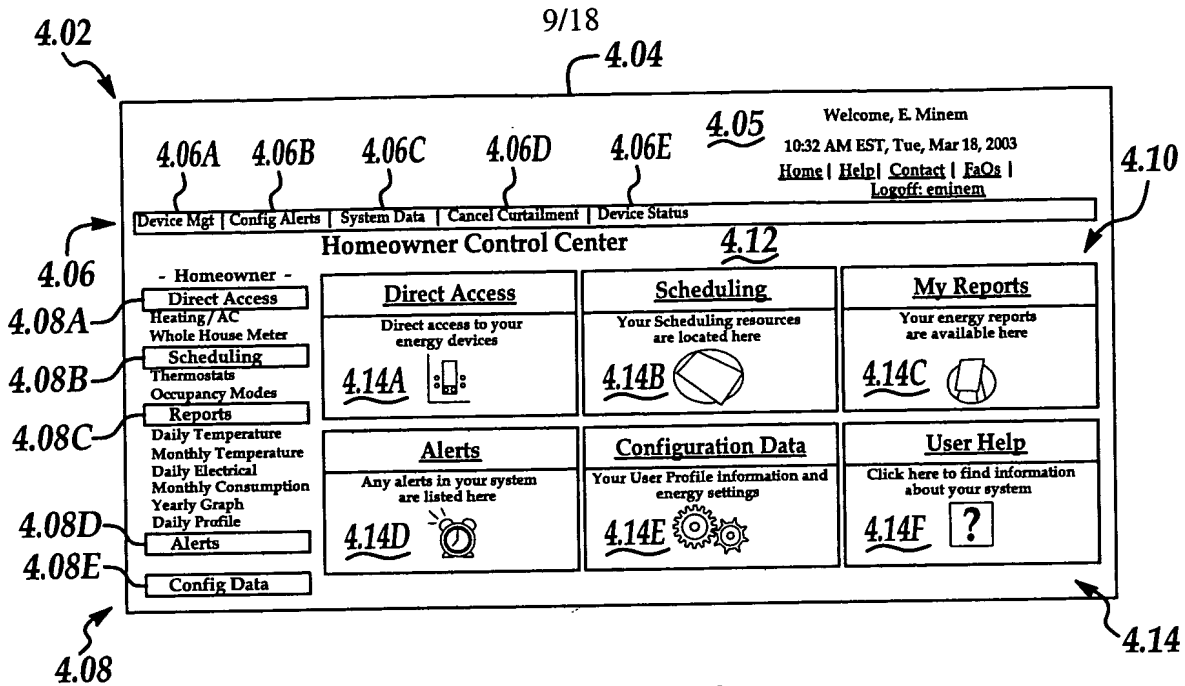


Figure 4A

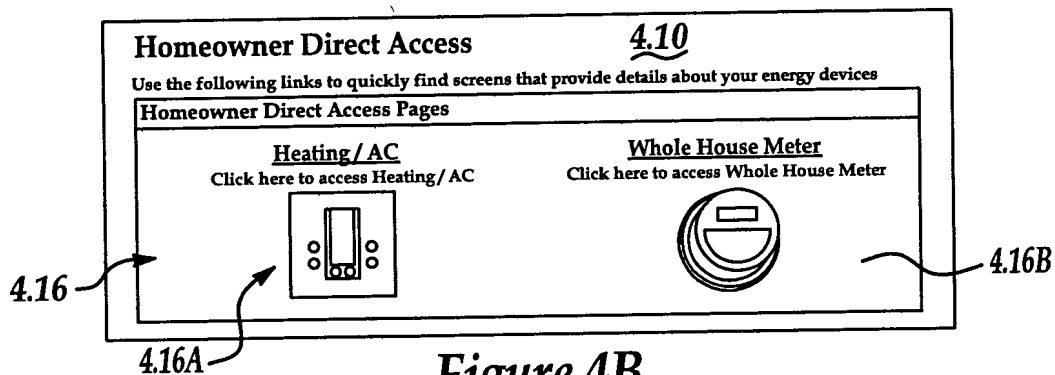


Figure 4B

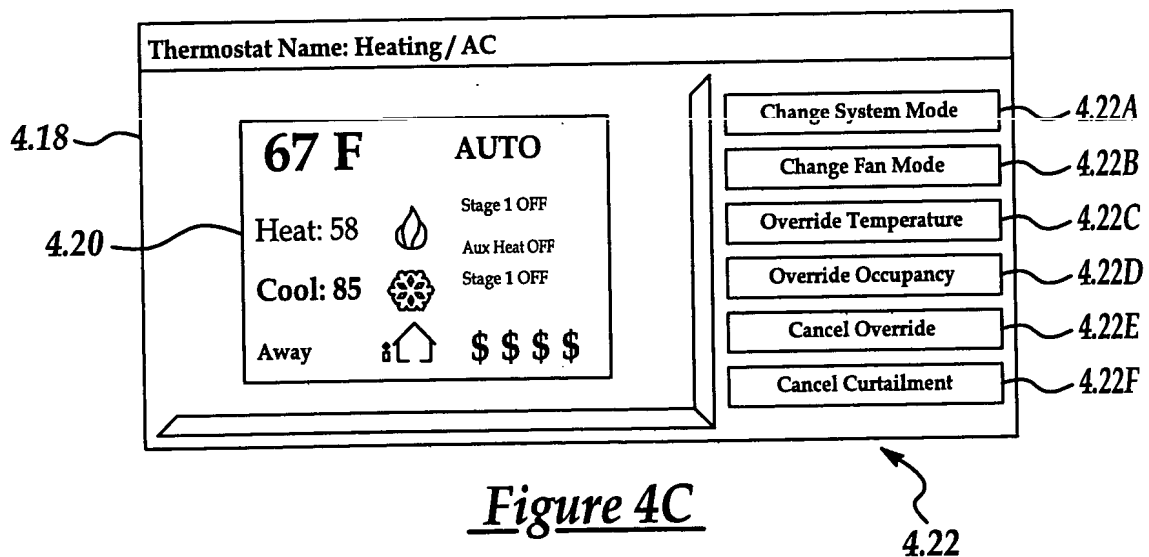


Figure 4C

10/18

4.24 4.10

Occupancy Modes

Home Away Sleep Vacant User1 User2 User3 User4 2.26

When my home is in Home Mode ☒ Active

Use the following settings for the areas controlled by the Heating/ AC thermostat

Cooling setpoint: °F use: Economy Profile 4.32

Heating setpoint: °F ☒ My home is normally OCCUPIED during Home mode

 4.28 4.30

Figure 4D

Occupancy Modes

Home Away Sleep Vacant User1 User2 User3 User4 2.26

When my home is in Home Mode ☐ Active

Use the following settings for the areas controlled by the Heating/ AC thermostat

Cooling setpoint: °F use: Economy Profile 4.32

Heating setpoint: °F My home is normally OCCUPIED during Away mode

 4.28 4.30

Figure 4E

Occupancy Modes

Home Away Sleep Vacant User1 User2 User3 User4 2.26

When my home is in Home Mode ☐ Active

Use the following settings for the areas controlled by the Heating/ AC thermostat

Cooling setpoint: °F use: Economy Profile 4.32

Heating setpoint: °F ☐ My home is normally OCCUPIED during Vacant mode

Figure 4F

11/18 4.10

Thermostat Scheduling

4.36 <<Prev March Next>> March 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Weekend
2 Weekend	3 Weekday	4 Weekday	5 Weekday	6 Weekday	7 Weekday	8 Weekend
9 Weekend	10 Weekday	11 Weekday	12 Weekday	13 Weekday	14 Weekday	15 Weekend
16 Weekend	17 Weekday	18 Weekday	19 Weekday	20 Weekday	21 Weekday	22 Weekend
23 Weekend	24 Weekday	25 Weekday	26 Weekday	27 Weekday	28 Weekday	29 Weekend
30 Weekend	31 Weekday					

4.34

Figure 4G

Thermostat Scheduling

4.38 Select Thermostat: Heating/AC Select Day Type: Weekday 4.10

Start>> Start at midnight in: Sleep mode Click to show instructions 4.40

4.36 Then at 04:30am switch to User1 mode

Then at 05:00am switch to User2 mode

Then at 05:30am switch to Home mode

Then at 07:30am switch to Away mode

Then at 04:00pm switch to User2 mode

Then at 05:30pm switch to Home mode

Then at 10:00pm switch to Sleep mode

4.42 Apply to 3/18/2003 4.44 Apply to all Weekdays 4.46 Back to Calendar...

Figure 4H

Weekday

New Day Type

Weekday

Weekend

Holiday

8/13/2002

2/18/2003

4.40

Figure 4I

12/18

Configure Alert

Alerts

User Name: E. Minem
Primary email: eminem@aol.com

AccountID: 555
Phone#: 5555555555

Alert Description	Destination	Channel		Configurable	Priority	Single/Aggregate
		Primary email	Web Page			
Temperature out of Range	Home Occupant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	Single
Temperature out of Range	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Gateway Not Responding	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Temperature out of Range	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Gateway Not Responding	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Single
Budget Limit Alarm	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Single
Device is Malfunctioning	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Single
Communication Failure	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	Single
Ramping Recovery Failure	Home Occupant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single
Duplicate IP address	Service Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single
Temperature out of Range	Energy Provider	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	Single

Note: You may add the secondary email as another channel by updating personal data, [Click here to update account personal data](#)

Submit Reset

Figure 4J

Reports







Temperature Reports	Electricity Usage	Cost & Consumption
<p><u>Daily Temperature</u></p> <p>4.68A </p> <p>4.68B </p>	<p><u>Daily Electrical</u></p> <p>4.68C </p>	<p><u>Yearly Graph</u></p> <p>4.68D </p> <p><u>Monthly Consumption</u></p> <p>4.68E </p> <p><u>Daily Profile</u></p> <p>4.68F </p>

Figure 4K

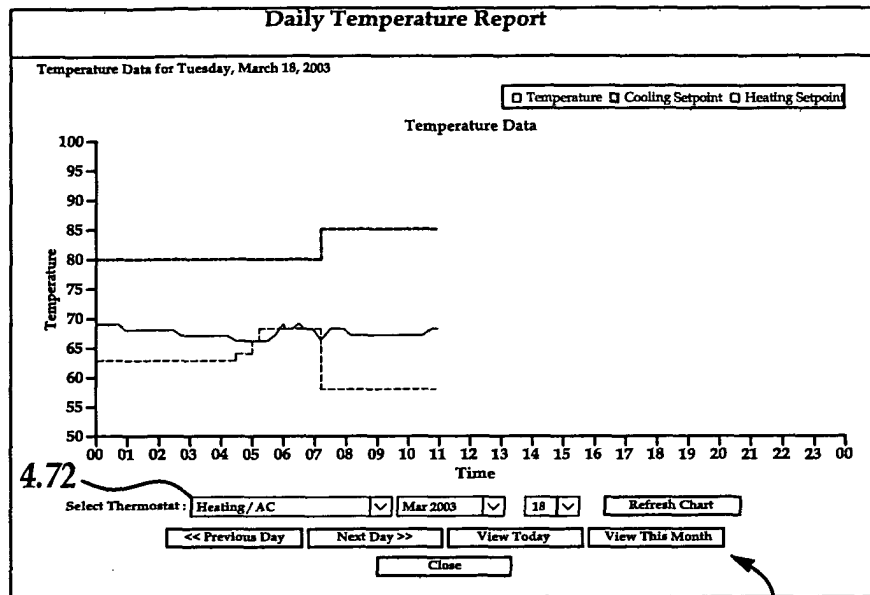


Figure 4L

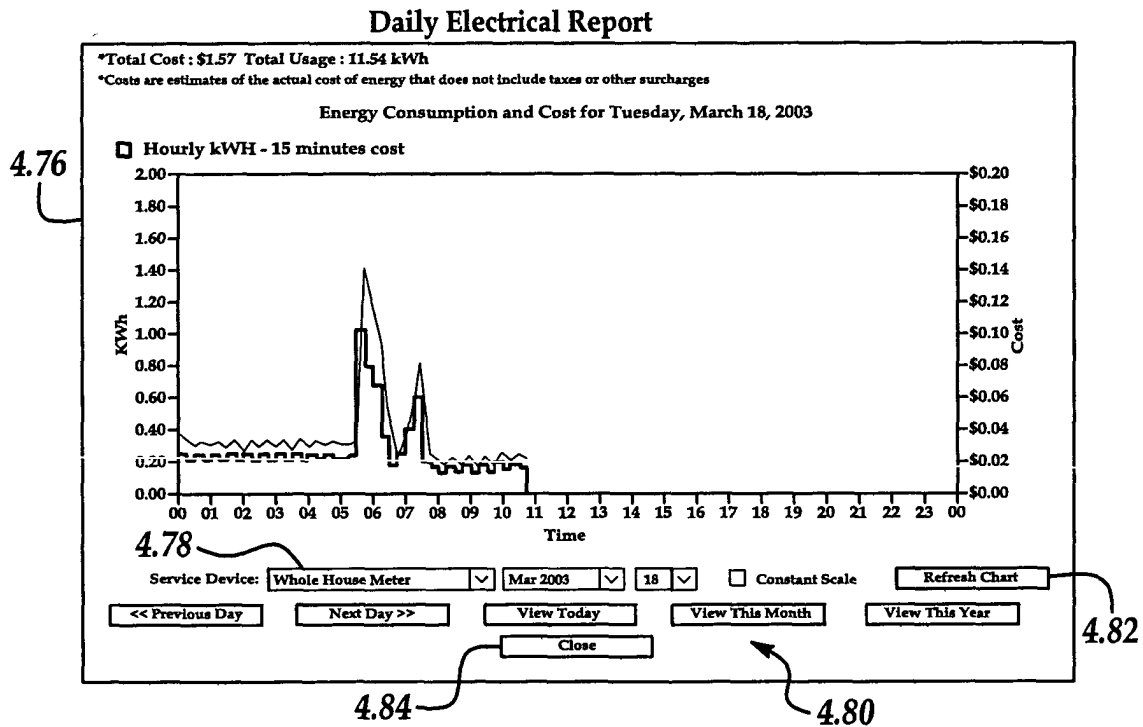


Figure 4M

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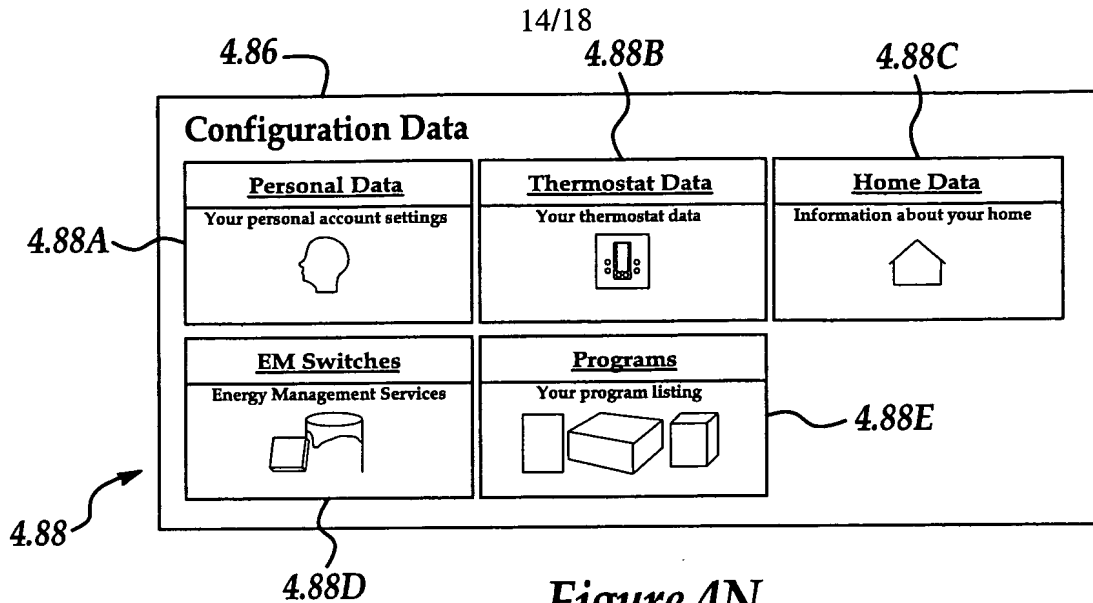


Figure 4N

Thermostat Data

*Thermostat Name: Heating / AC ☒ Thermostat Active

Heating

Type: Electric: w/ Electric Emergenc

Stages: ☒ 1 ☐ 2

☒ Emergency Heating

Cooling

Type: Electric Heat Pump

Stages: ☒ 1 ☐ 2

Additional controls: ☐ Humidifier ☐ Dehumidifier

*Safety Limits: 95 High 50 Low°F *Alert Limits: 90 High 45 Low°F

*Heat Limits: 75 High 45 Low°F *Cool Limits: 90 High 65 Low°F

Default Limits for Thermostat

* = required

Figure 4O

4.92

Electric: w/ Electric Emergenc <input type="text"/>
Electric: w/ Electric Emergency
Electric: w/ Gas Emergency
Electric: w/ Oil Emergency
Electric Baseboard
Propane
Oil
Steam
Hot Water

4.94

Electric Heat Pump
Electric Heat Pump
Electric Standard Central Air
Natural Gas
Evaporative

Figure 4Q

Figure 4P

15/18

Program Participation

4.96

Program Listing				
Participate	Product Name	Supply Type	Effective Dates From To	Effective Daily From To
<input checked="" type="checkbox"/>	Emergency AC Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input checked="" type="checkbox"/>	A Group	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	B Group	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency HVAC Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Hot Tub/Spa Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Pool Pump Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Shut Off	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	Emergency Water Heater Curtailment	On Demand	01/01 - 12/31	12:00am - 11:59pm
<input type="checkbox"/>	AfternoonPeaker	Scheduled	04/01 - 10/01	12:00am - 6:00pm
<input type="checkbox"/>	MorningPeaker	Scheduled	01/01 - 12/31	6:00am - 12:00pm

4.100

4.98

Figure 4R

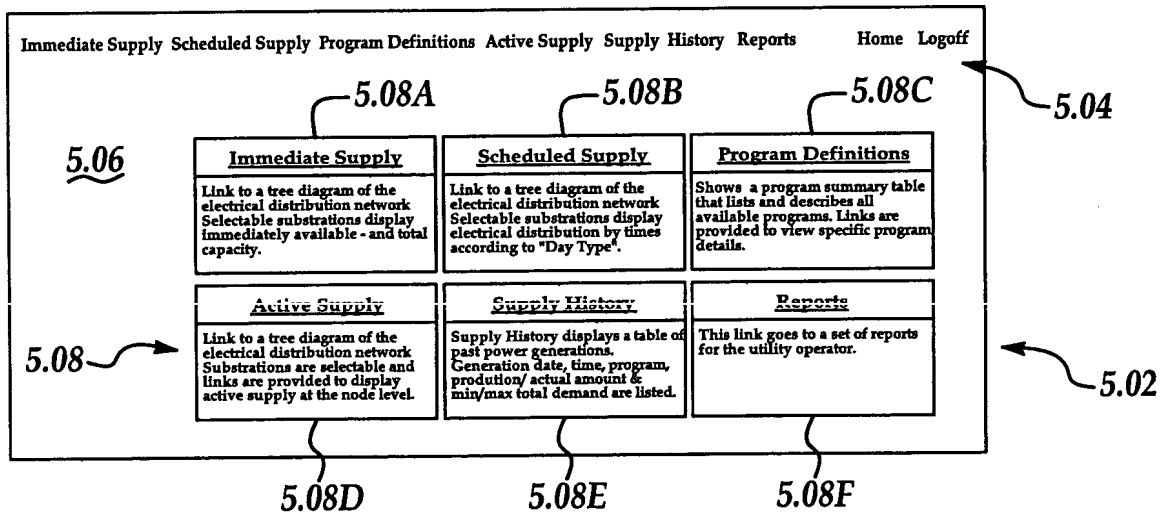


Figure 5A

16/18

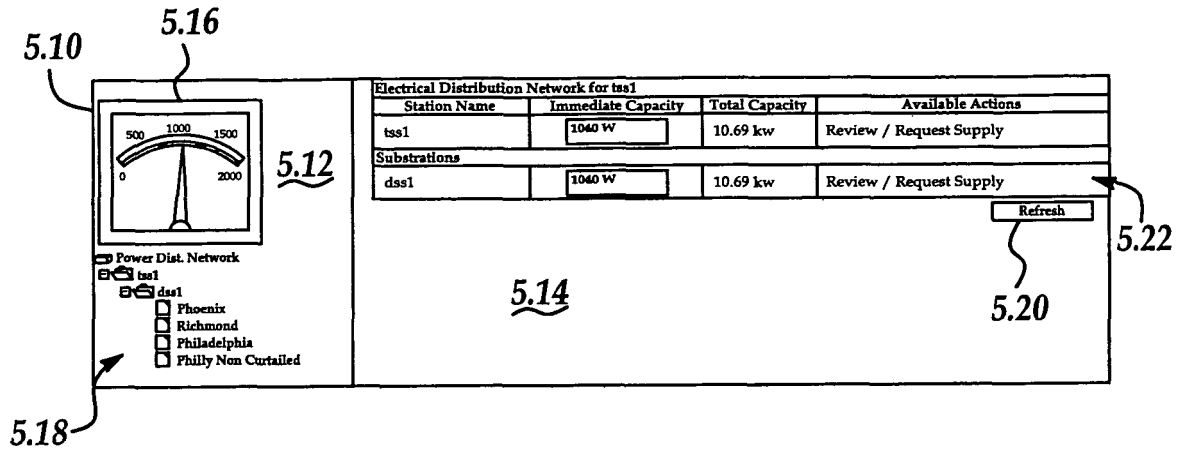


Figure 5B

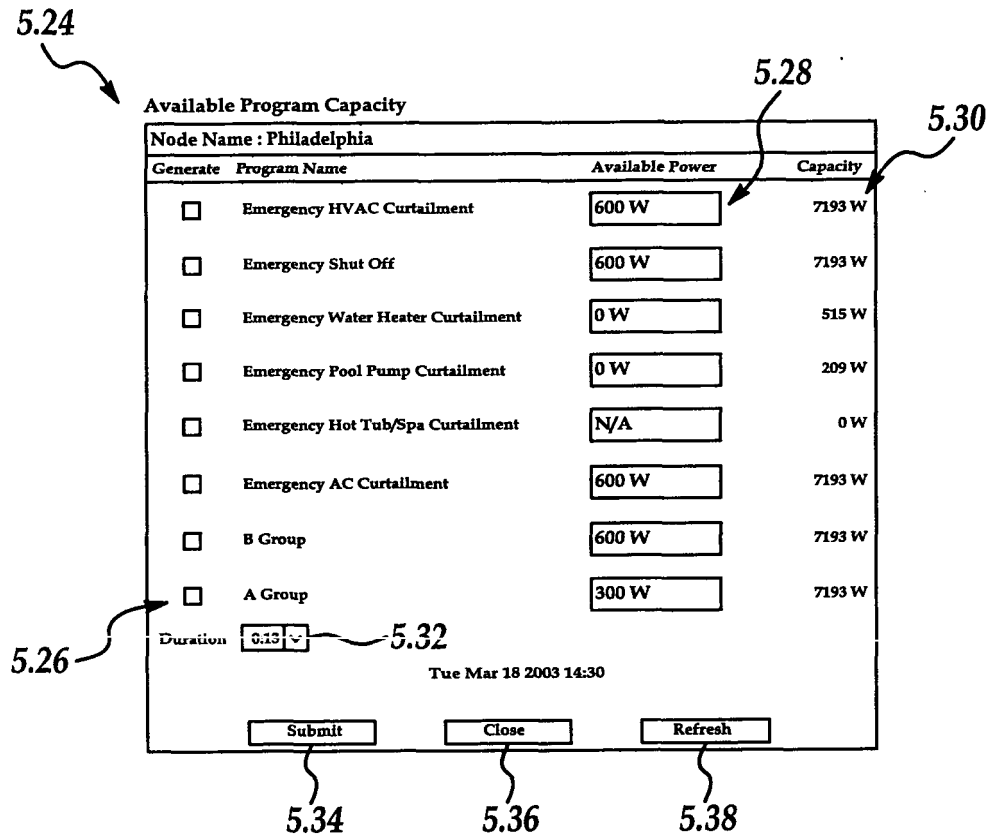


Figure 5C

17/18

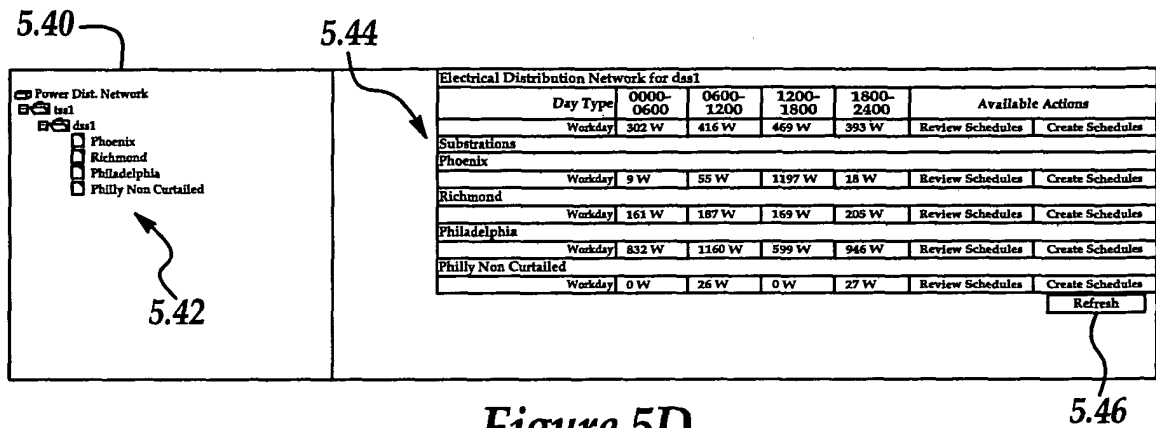


Figure 5D

5.48

Find Eligible Programs

Find Eligible Programs for: Phoenix

Date: Month: Day: Year:

From To

Time: Hours: Minutes: Hours: Minutes:

Desired Supply: W Schedule Name:

Figure 5E

5.50

Program Summary

Click on program name to edit

Program Name	Description
Immediate Supply	
A Group	HVAC Optional and Overrideable
B Group	HVAC Optional and Overrideable
Emergency AC Curtailment	Curtailment of AC systems - Not Overrideable or optional
Emergency HVAC Curtailment	Thermostats Curtailment program - Overrideable and Optional
Emergency Hot Tub/Spa Curtailment	Hot Tub/Spa Curtailment Program
Emergency Pool Pump Curtailment	Pool Pump Curtailment Program
Emergency Shut Off	Emergency program will supply from all devices
Emergency Water Heater Curtailment	Water Heater Curtailment Program
Scheduled Supply	
AfternoonPeaker	This program curtails WaterHeater, PoolPumps and HVAC between 12PM to 4PM
MorningPeaker	Shutoff WaterHeaters and Pool pumps between 6AM and 12 PM
New	

5.52

5.54

Figure 5F

18/18

Program Definitions

Program Name:

Description:

Supply Type: ☒ On Demand ☐ Scheduled

Available Time: From: HH MM To: HH MM

Available Dates: From: MM DD To: MM DD

☐ Optional ☐ Overrideable

Device Types To Include: ☐ HVAC/ISTAT ☐ Water Heater ☐ Pool Pump ☐ Hot Tub/Spa

Back Save Reset

5.70 5.72 Figure 5G 5.74

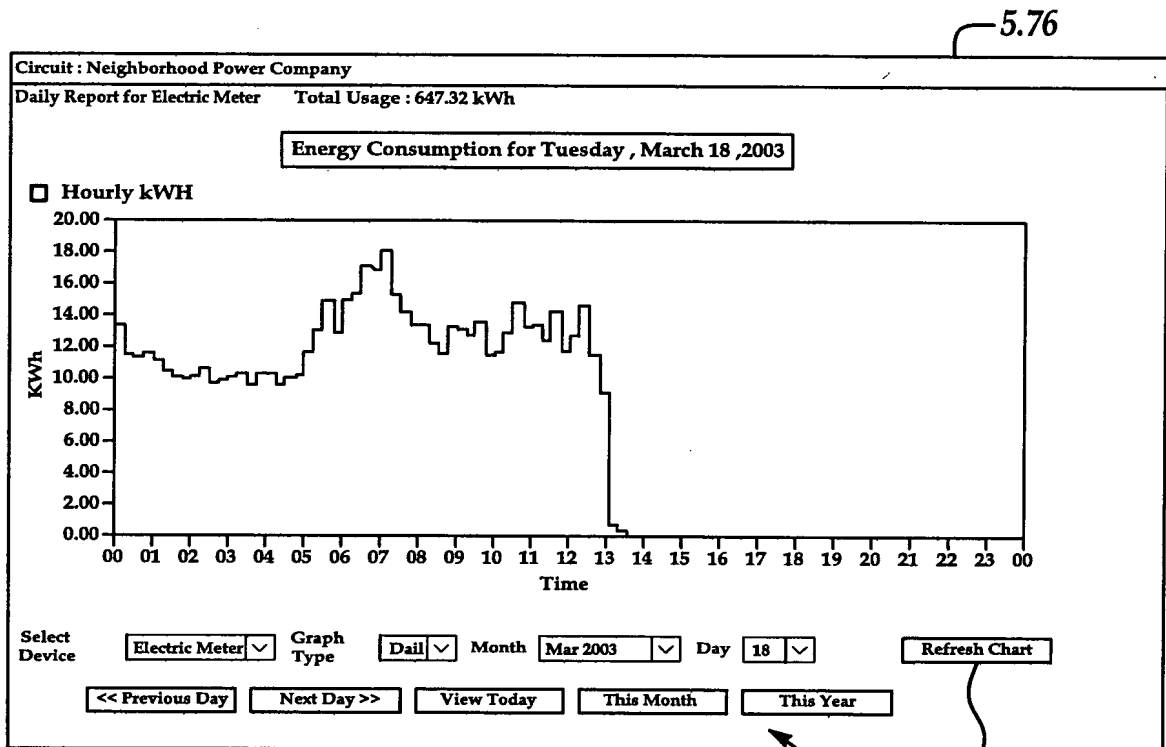


Figure 5H 5.78

Electric Meter	▼
Thermostat	
Electric Meter	
Water Heater	
Pool Pump	
Hot Tub/Spa	

Figure 5I